

CLAIMS:

1. A reconfigurable electronic device, comprising:
a first data storage device being responsive to a control signal;
a second data storage device being responsive to a further control signal, the
second data storage device being coupled to the first data storage device for receiving a data
5 copy from the first data storage device;
a first address decoder coupled to the first data storage device for allowing a
read access of the first data storage device; and
a second address decoder coupled to the second data storage device for
allowing a read access of the second data storage device;
10 characterized in that the first address decoder is arranged to allow a write
access of the first data storage device.

2. A reconfigurable electronic device as claimed in claim 1, characterized in that:
the read access of the first data storage device is enabled during a first phase of
15 the control signal and the write access of the first data storage device is enabled during a
second phase of the control signal;
the read access of the second data storage device is enabled during a first
phase of the further control signal and a data copy action from the first data storage device to
the second storage device is enabled during a second phase of the further control signal;
20 the first phase of the control signal occurring before the second phase of the
control signal.

3. A reconfigurable electronic device as claimed in claim 1, characterized in that
the second data storage device has a second plurality of data storage elements coupled to a
25 first plurality of data storage elements of the first data storage device via a configurable data
copy circuit.

4. A reconfigurable electronic device as claimed in claim 3, characterized in that
the data copy circuit comprises a data copy cell for coupling a data storage element from the

first data storage device to a further data storage element from the second data storage device, the data copy cell comprising an enable switch coupled to a driver circuit.

5. A reconfigurable electronic device as claimed in claim 1 or 2, characterized in
- 5 that the first data storage device and the second data storage device are look-up tables.